Hck Antibody	C T	Cell Signaling		
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
#4352	Web:	info@cellsignal.com cellsignal.com		
	3 Trask Lane Danvers Massachusetts 01923 USA			
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: W	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 61	Source/Isotype: Rabbit	UniProt ID: #P08631	Entrez-Gene Id 3055		
Product Usage Information		Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity/Sensitivity		Hck Antibody detects endogenous levels of total Hck protein. This antibody does not cross-react with family members Src, Lyn and Fyn.						
Source / Purifica	rce / Purification Polyclonal antibodies are produced by immunizing animals with a synthetic peptide correspond amino-terminal residues of human Hck. Antibodies are purified by protein A and peptide affinity chromatography							
Background		in lymphoid and mye variety of extracellula and migration. Hck put that is subject to post homology 3 (SH3) and "unique" domain. Res positively and negativ carboxy-terminal Tyr- tyrosine and the SH2 dephosphorylation, the mutations, results in domain positively reg the regulatory tyrosin	loid lineages of hem ir signals that affect rotein structure incl t-translational lipid in d 2 (SH2) domains, a search studies indica vely regulate Hck ca 499 by protein kinass domain, rendering he replacement of t constitutive activatii gulates Hck catalytic he-SH2 domain inter hase domain (2,3). The	rc family protein tyrosin hatopoiesis (1). The Hck l cellular processes, inclu udes a relatively diverge modifications and target and a tyrosine kinase cat ate that phosphorylation talytic activity. Phosphor e Csk promotes an inter Hck inactive. Disruption ne Tyr522 with phenylak on of Hck. Autophospho activity. Thus, the activa faction and autophospho ne dysfunction or dysreg- tukemia (4).	kinase participates iding cell proliferati ent amino-terminal is Hck to the plasma adytic domain are a of conserved tyros rylation of Hck at th action between the of this interaction t anine, or carboxy-te rylation of Tyr411 v ition of Hck require orylation of the reg	in transduction of a on, differentiation, "unique" domain a membrane. Src djacent to the sine residues e conserved, phosphorylated hrough erminal truncation vithin the kinase s both disruption of ulatory tyrosine		
Background Ref	ferences	1. Karasek, M. et al. (1978) <i>Cell Tissue Res</i> 195, 547-56. 2. Ziegler, S.F. et al. (1989) <i>Mol Cell Biol</i> 9, 2724-7. 3. Kefalas, P. et al. (1995) <i>Int J Biochem Cell Biol</i> 27, 551-63. 4. Hu, Y. et al. (2004) <i>Nat Genet</i> 36, 453-61.						
Species Reactivi	ity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Bu	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Ke	у	W: Western Blotting						
Cross-Reactivity	/ Key	H: Human M: Mouse	Mk: Monkey					
Trademarks and Patents	d Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.						
		All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.						
Limited Uses		the following terms a	pply to Products pro	a writing signed by a leg ovided by CST, its affiliat to, or different from, th	es or its distributors	s. Any Customer's		

separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.